PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.

10/511,862

Confirmation No.: Not Yet

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Applicant

Steven Washakowski, et al.

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Filed

October 15, 2004 Not Yet Assigned DEC 2 3 2004

T.C./A.U. Examiner

Not Yet Assigned

Docket No.

RTN-164PUS

Customer No.:

022494

Certificate of Mailing (37 C.F.R. 1.8(a))

I hereby certify that this correspondence is being transmitted via facsimile to Commissioner for Patents at 703-872-9306 or deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on the date set forth below.

12/23/04

Date of Signature and Mail Deposit Donald F. Mofford Reg. No. 33,740

INFORMATION DISCLOSURE STATEMENT

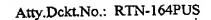
Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

It is desired to cite for the record in this application the enclosed documents listed on the attached copy of PTO form PTO/SB/08A (Formerly #1449). The paragraph(s) marked below are applicable to this Information Disclosure Statement.

[X] (1) The enclosed Information Disclosure Statement is being filed: within three months of the filing date; or within three months of the entry of the national stage of the above-identified application; or before the mailing of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. §1.114. Accordingly, Applicant(s) believes that no fee or statement is required.

Appl. No: 10/511,862



[] (2) Pursuant to 37 C.F.R. § 1.97(c), the enclosed Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by the fee set forth in 37 C.F.R. § 1.17(p)

SUBMISSION UNDER 37 C.F.R. § 1.97(c) INCLUDING A STATEMENT UNDER 37 C.F.R. § 1.97(e)(1)

[] (3) Pursuant to 37 C.F.R. § 1.97(c), the enclosed Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by a statement under 37 C.F.R. § 1.97(e)(1). The undersigned hereby states that each item of information contained in the attached Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application mailed not more than three months prior to the filing of the accompanying Information Disclosure Statement.

SUBMISSION UNDER 37 C.F.R. § 1.97(c) INCLUDING A STATEMENT UNDER 37 C.F.R. § 1. 97(e)(2)

[] (4) Pursuant to 37 C.F.R. § 1.97(c), the enclosed Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by a statement under 37 C.F.R. § 1.97(e)(2). The undersigned hereby states that no item of information contained in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to any individual having a duty of disclosure as set forth in 37 C.F.R. § 1.56 (c) more than three months prior to the filing of the accompanying Information Disclosure Statement.

Appl. No: 10/511,862

Atty.Dckt.No.: RTN-164PUS

SUBMISSION UNDER 37 C.F.R. § 1.97(c)

INCLUDING STATEMENTS UNDER 37 C.F.R. §§ 1.704(d) AND 1.97(e)(1)

[] (5) Pursuant to 37 C.F.R. § 1.97(c), the enclosed information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by statements under 37 C.F.R. §§ 1.704(d) and 1.97(e)(1). The undersigned hereby states that each item of information contained in the attached Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application mailed not more than three months prior to the filing of the accompanying Information Disclosure Statement and was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the accompanying Information Disclosure Statement.

SUBMISSION UNDER 37 C.F.R. § 1.97(d) INCLUDING A STATEMENT UNDER 37 C.F.R. §1.97(e)(1)

[] (6) Pursuant to 37 C.F.R. § 1.97(d), the enclosed Information Disclosure Statement is being filed on or before payment of the issue fee and is accompanied by a statement under 37 C.F.R. § 1.97(e)(1) and the fee required under 37 C.F.R. § 1.17(p). The undersigned hereby states that each item of information contained in the accompanying Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement.

SUBMISSION UNDER 37 C.F.J. § 1.97(d) INCLUDING A STATEMENT UNDER 37 C.F.R. §1.97(e)(2)

[] (7) Pursuant to 37 C.F.R. § 1.97(d), the enclosed Information Disclosure Statement is being filed on or before payment of the issue fee and is accompanied by a statement under 37 C.F.R. § 1.97(e)(2) and the fee required under 37 C.F.R. § 1.17(p). The undersigned hereby states that no item of information contained in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to

Appl. No: 10/511,862

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any individual having a duty of disclosure as set forth in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the accompanying Information Disclosure Statement.

SUBMISSION UNDER 37 C.F.R. § 1.97(d)

INCLUDING STATEMENTS UNDER 37 C.F.R. §§ 1.704(d) AND 1.97(e)(1)

[] (8) Pursuant to 37 C.F.R. § 1.97(d), the enclosed Information Disclosure Statement is being filed on or before payment of the issue fee and is accompanied by statements under 37 C.F.R. §§ 1.704(d) and 1.97(e)(1) and the fee required under 37 C.F.R. § 1.17(p). The undersigned hereby states that each item of information contained in the attached Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application mailed not more than three months prior to the filing of the accompanying Information Disclosure Statement and was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the accompanying Information Disclosure Statement.

The filing of this Information Disclosure Statement is not a representation by the undersigned as to personal knowledge of the contents of every word or phrase of the material enclosed or that reliance on other suitably trained professionals has not been made.

If a search report of a searching agency is enclosed identifying the nature of the relevance of each document, such a designation is deemed to satisfy Rule 98(a) (3) even if in a foreign language, since the few terms of relevance therein are deemed of universal cognizance.

However, Applicant(s) does not necessarily adopt the position reflected by that report.

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Appl. No: 10/511,862

Atty.Dckt.No.: RTN-164PUS

The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 500845.

Respectfully submitted,

DALY, CROWLEY & MOFFORD, LLP

Donald F. Mofford

Reg. No. 33,740

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PTD/SB/08A (02-03)
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Substitute for form 1449/PTO	Application Number	10/511,862	_	
	Filing Date	October 15, 2004	_	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USB as many sheets as necessary)	First Named Inventor	Steven Washakowski		
	Art Unit	Not Yet Assigned		
	Examiner Name	Not Yet Assigned		
2	Attorney Docket Number	RTN-164PUS	_	
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			U. S. PATENT	DOCUMENTS		The state of the s
Examiner Initials*	Cite No.	Document Number Number-Kind Code ² (************************************	Publication Date MM-DD-YYYY	I Name o	if Patentee or Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 6,144,862	11/07/2000	Oliver et al.		
	 	us- 6,031,431	02/29/2000	Vinekar		
	 	US- 5,648,988	07/15/1997	iwamatsu et	<u>al</u>	
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		FOREIGN	PATENT DOCU	MENTS	Taran Dalimon Limes	
Examiner initials*	Cite No.1	Foreign Patent Document	Publication Date MM+DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columna, Lincs, Where Relevant Passages Or Relevant Figures Appear	₩.
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This collection of information is required by 97 CER 1.97 and 1.98. The information is required to obtain an retain a benefit by the critic which is as the land by the continuous process.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, and summitting the completed application form to the USPTO. Take will very depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this builder, should be sort to the Chief Information Officer, U.S. Petent on the amount of time you require to complete this form and/or suggestions for reducing this builder, should be sort to the Chief Information Officer, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT; FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT; FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT; FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT; FEES OR COMPLETED FORMS TO THIS ADDRESS.

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Substitute for form 1449/PTO	Application Number	10/511,862
INFORMATION DISCLOSU	RE Filing Date	October 15, 2004
STATEMENT BY APPLICA	NT First Named Inventor	Steven Washakowski
STATEMENT, B. 7	Art Unit	Not Yet Assigned
(Use as many sheets as necessary)	Examiner Name	Not Yet Assigned
Sheet 2 of 2	Attorney Docket Number	RTN-164PUS
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	Loba	OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the author (in CAPITAL LETTERS).	
xaminer nitials*	Cite No.	the item (book, magazine, journal, serial, symposium, calalog, etc.), data, page(s), voiding country where published.	T ²
		JONG-KWAN CHOI, Area-Efficient Pulse-Shaping 1:4 Interpolated FIR Filter Based on LUT Partitioning. September 2, 1999, Pages 1-2, Votume 35, No. 18, Electronics Lutter	
		TZU-CHIEH KUO, A Programmable Interpotation Filter for Digital Communications Applications, 1998, Pages II-97 - II-100, University of California, Los Angeles.	
		Copy of PCT/US 02/12806 Search Report dated January 3, 2003.	
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Signature	the state of participation is in conformance with MPEP B	9. Draw line through o	nation if not in conformance and not

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered, Indude copy of this form with next communication to applicant.

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is stached.

1 Applicant's unique citation is required by 37 CPR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO This collection is estimated to take 120 minutes to complete, including to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CPR 1.14. This collection is estimated to take 120 minutes to complete, including to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CPR 1.14. This collection is estimated to take 120 minutes to complete any including the completed application form to the USPTO. Time will very depending upon the individual case. Any comments on the gettering, preparing, and submitted takes. Any comments on the use of the Chief information Officer, U.S. Patont and amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patont and amount of time you require to complete this form and/or suggestions for reducing this burden, whould be sent to the Chief Information Officer, U.S. Patont and amount of time you require to complete this form and/or suggestions for reducing this burden, who the Chief Information Officer, U.S. Patont and any or required to obtain the your requirement of Commerce, Washington, Oc 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Tradement Officer, U.S. Department of Commerce, Washington, Oc 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THI

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